

IN THE CLAIMS:

Claim 1 (Currently Amended): A color-correction method for a liquid crystal display, comprising:

comparing a data voltage of a current frame and a data voltage of a previous frame;

increasing [[a]] the data voltage of a current frame if the data voltage of the current frame is greater than the data voltage that of [[a]] the previous frame[, and]];

decreasing the data voltage of the current frame if the data voltage of the current frame is ~~not greater~~ smaller than that the data voltage of the previous frame; and

decreasing the data voltage of the current frame with a predetermined value if the data voltage of the current frame is equal to the data voltage of the previous frame.

Claim 2 (Original): The method according to claim 1, wherein the increased data voltage of the current frame is proportionally increased with respect to a difference between the current data voltage and the previous data voltage.

Claim 3 (Original): The color-correction method according to claim 1, wherein the data voltage includes most significant bit data .

Claim 4 (Original): The method according to claim 1, wherein the data voltage includes both most significant bit data and least significant bit data.

Claim 5 (Currently Amended): A color-correction method for a liquid crystal display, comprising:

comparing a data voltage of a current frame and a data voltage of a previous frame;

decreasing [[a]] the data voltage of [[a]] the current frame if the data voltage of the current frame is the same as equal to that of [[a]] the previous frame; and

increasing the decreased increased data voltage of the current frame if the decreased data voltage of the current frame is greater than that the data voltage of the previous frame, and decreasing the decreased data voltage of the current frame if the decreased data voltage of the current frame is smaller than that the data voltage of the previous frame.

Claim 6 (Original): The method according to claim 5, wherein the data voltage includes most significant bit data.

Claim 7 (Original): The method according to claim 5, wherein the data voltage includes both most significant bit data and least significant bit data.

Claim 8 (Currently Amended): A color-correction apparatus for a liquid crystal display, comprising:

a frame memory delaying data for one frame interval; and

a data modulator modulating the data from the frame memory using a look-up table having modulation information for increasing a data voltage of a current frame if the data voltage of the current frame is greater than ~~that a data voltage~~ of a previous frame, and

decreasing the data voltage of the current frame if the data voltage of the current

frame is ~~not greater~~ smaller than ~~that~~ the data voltage of the previous frame, and

decreasing the data voltage of the current frame with a predetermined value if the data voltage of the current frame is equal to the data voltage of the previous frame.

Claim 9 (Original): The color-correction apparatus according to claim 8, further comprising,

a liquid crystal display panel displaying modulated data by the data modulator;

a timing controller outputting input data to the frame memory and the data modulator;

a data driver applying the modulated data to the liquid crystal display panel under control of the timing controller; and

a gate driver selecting a scanning line of the liquid crystal display panel to be supplied with the modulated data.

Claim 10 (Currently Amended): A color-correction apparatus for a liquid crystal display, comprising:

a data comparator determining whether input data are changed between a previous frame and a current frame;

a first data modulator more increasing a voltage level of the input data when the voltage is more increased at the current frame than at the previous frame and more decreasing the voltage level when the voltage level is more reduced at the current frame than at the previous frame; and

a second data modulator decreasing the voltage with a predetermined voltage value when the voltage of the current frame is equal to that the voltage of the previous frame in accordance with a compared result from the data comparator.

Claim 11 (Original): The color-correction apparatus according to claim 10, further comprising, a liquid crystal display panel displaying modulated data by the first and second data modulators;

a timing controller outputting input data to the data comparator and the first and second data modulators;

a data driver applying the modulated data to a data line of the liquid crystal display panel under control of the timing controller; and

a gate driver selecting a scanning line of the liquid crystal display panel supplied with the modulated data under control of the timing controller.

Claim 12 (Original): The color-correction apparatus according to claim 10, wherein the data comparator includes an exclusive logical sum operator executing an exclusive logical sum operation of delayed data and current input data.

Claim 13 (Original): The color-correction apparatus according to claim 10, wherein the first modulator includes:

a frame memory delaying the input data for one frame interval; and

a look-up table registered with modulation information for increasing a voltage level of the input data when the voltage level is more increased at the current frame than at the previous frame and decreasing the voltage of the input data when the voltage level is more reduced at the current frame than at the previous frame.

Claim 14 (Currently Amended): The color-correction apparatus according to claim 10, wherein the second modulator includes a look-up table registered with modulation information for reducing the voltage level when the voltage level of the current frame is equal to that the voltage level of the previous frame based on information from the data comparator.